CLAIMS:

1. A record carrier (1) comprising an information area (2) for storing information, and an integrated circuit (3) comprising a storage unit (4) for storing additional information (A_K, Rights), the integrated circuit further comprising a one-time programmable memory (5) comprising a resurrection key (R_K), the one-time programmable memory having a substantially larger data retention time than the storage unit.

2. A record carrier according to claim 1, wherein the one-time programmable memory (5) further comprises information related to the expiration date (D_{EXP}) of the information stored or to be stored in the information area.

3. A record carrier according to claim 1 or 2, wherein the record carrier further comprises a disc key (CID_key).

4. A record carrier according to claim 3, wherein the resurrection key (R_K) is encrypted with the disc key (CID_key).

5. A record carrier according to claim 3, wherein the expiration date (D_{EXP}) is encrypted with the disc key (CID_key).

6. A record carrier according to any one of claims 3 and 4, wherein the disc key (CID_key) is a unique disc key that is derived from an identifier (ID_{UC}) of the integrated circuit (3).

7. A record carrier according to claim 6, wherein the one-time programmable memory (5) further comprises the identifier (IDUC).

8. A record carrier according to any one of claims 1 to 7, wherein the one-time programmable memory (5) is realized in fuse-logic.

9. A record carrier according to any one of claims 1 to 8, wherein the storage unit (4) is an EEPROM having a data retention time of approximately 10 years.

10. A record carrier according to any one of claims 1 to 9, wherein the integrated circuit (3) is contactlessly readable.

11. A method of restoring the additional information (A_K, Rights) stored in the storage unit (4) present on the integrated circuit (3) of the record carrier (1) of any one of claims 1 to 10, the method comprising the steps of:

- reading out the additional information stored in the storage unit (11);
- checking the integrity of the additional information (12);

and, if the integrity of the additional information is insufficient,

- reading out the resurrection key (R_K) stored in the one-time programmable memory (5) and restoring the additional information by using the resurrection key (15).

12. A method according to claim 11, wherein, if the integrity of the additional information is insufficient (12), the method further comprises the step of checking whether the additional information has degenerated in a natural way (14), and wherein the step of reading out the resurrection key (R_K) stored in the one-time programmable memory (5) and of restoring the additional information by using the resurrection key (R_K) is only performed if the additional information has degenerated in a natural way.

13. A method according to claim 11 or 12, wherein the step of restoring the additional information by using the resurrection key is performed by a Trusted Third Party (content provider) or on the Internet via a Secure Authenticated Channel (SAC-9).

14. A method according to any one of claims 11 to 13, wherein the expiration date (D_{EXP}) is used in the step of checking whether the additional information has degenerated in a natural way (14).

15. An apparatus for performing the method according to any one of claims 11 to 14, the apparatus comprising a security module (7) comprising:

- means for reading out the additional information (A_K, Rights) stored in the storage unit (4);

- means for checking the integrity of the additional information;
- means for reading out the resurrection key (R_K) stored in the one-time programmable memory (5) and restoring the additional information by using the resurrection key if the integrity of the additional information is insufficient.

16. An integrated circuit for use in the record carrier (1) according to any one of claims 1 to 10, the integrated circuit comprising a storage unit (4) for storing additional information (A_K, Rights), and the one-time programmable memory (5) comprising a resurrection key (R_K).